



Xbox One Power Brick (Day One Edition)

Disassembly

This guide will show you how to tear down your Xbox One power brick. Your bricks internal parts may differ from what is shown here.

Written By: Navy Vet 2015



INTRODUCTION

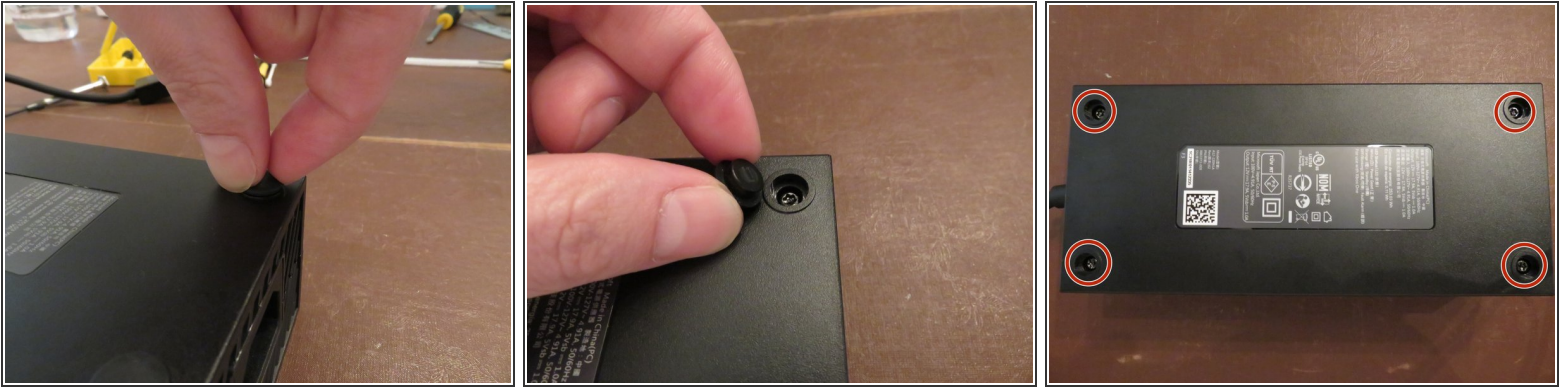
I took my power brick apart in order to clean it. The power settings for my Xbox had been left on "Instant On" from the day of launch until earlier this year. With your system in Instant On the fan runs continuously drawing .16Amps/19Watts. Putting your console in its Energy Saving mode only draws .03Amps/4Watts. The amount of filth inside your power brick will depend on several factors such as the energy mode you keep your system set to. If the fan isn't running, obviously it isn't drawing in more dust/debris than it would if it was on. The last step has pictures that show just how filthy your electronics can get over time and the importance of cleaning them in order to keep them functional.



TOOLS:

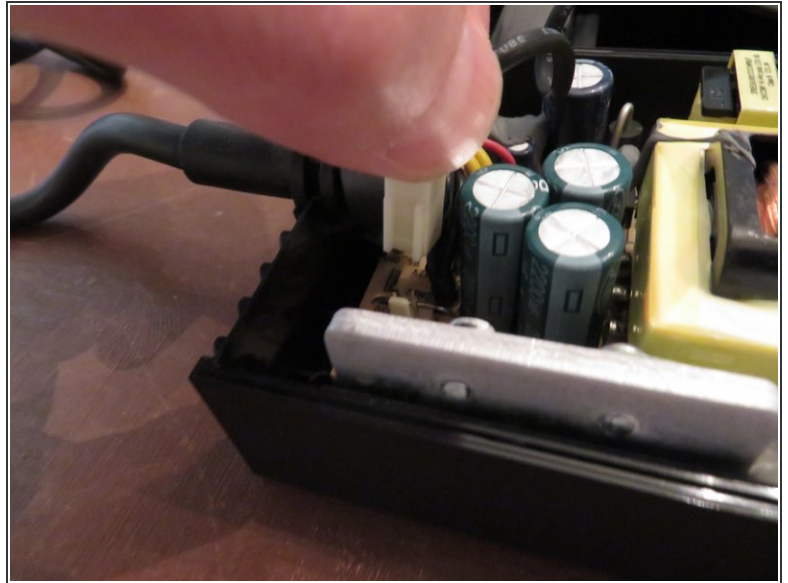
- [T10 Torx Security Bit Screwdriver](#) (1)
 - [Anti-Static Wrist Strap](#) (1)
 - [Spudger](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
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Step 1 — Remove Rubber Boots



- Unlike the X360 Power Brick, these rubber boots require no tools to pry them up. Simply get your fingernails underneath and gently pull them up.
- ⚠ Several people have commented that these boots were much more challenging to remove than mine were.
- Remove the 4 screws with your T10 security bit driver.

Step 2 — Disconnect Fan Cable



⚠ Caution: Be careful not to touch the capacitor wires as you work. If possible, use a [capacitor discharge probe](#) to safely rid the capacitors of dangerous charges.

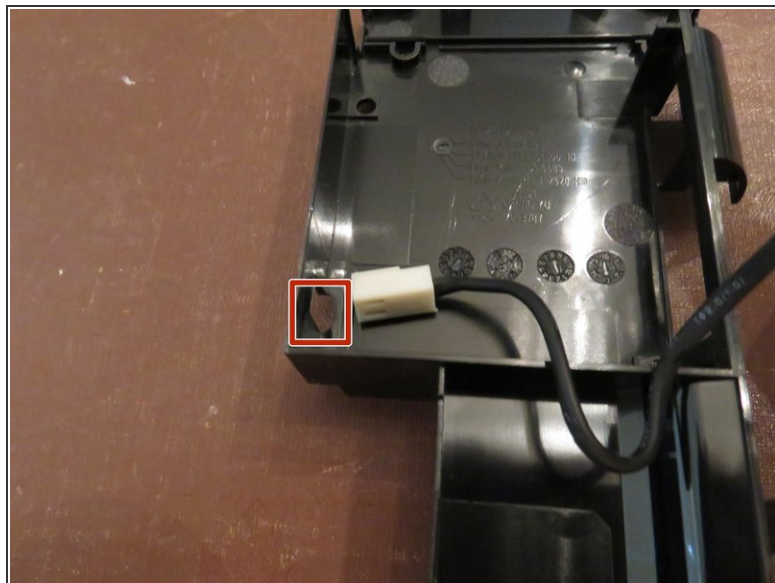
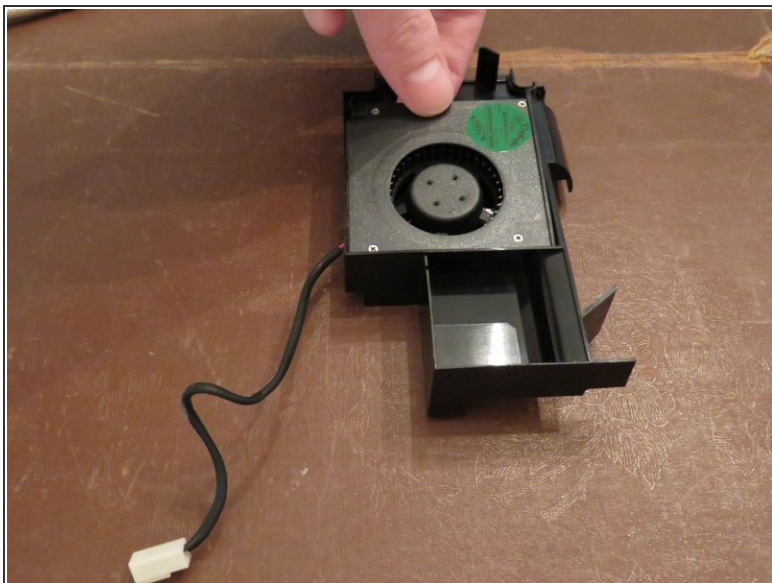
- Using the point end of your plastic spudger, or your fingers, gently pull back the tab holding the fan power cord in place.
- Gently pull the cable up and away from the circuit board.
- If you look inside the yellow box, top left corner, you will notice a grey color on top of a capacitor. I'm not positive what this substance is but it has a consistency of sticky tack, if you remember playing with that as a kid. When I first opened the power supply the fan power cable was pressed into it rendering it stuck. Gently pull the cable up

Step 3 — Remove Screws



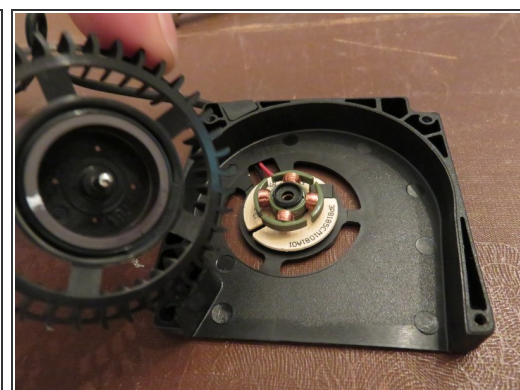
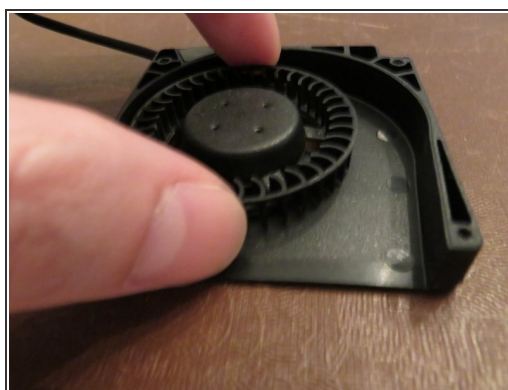
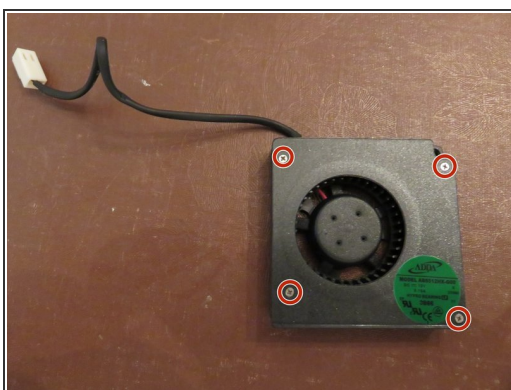
- Use a Phillips head screwdriver to remove the two larger screws.
- The two smaller screws (orange) were a little tricky. They are screwed down very tight. I started with a #0 phillips head and slightly stripped the screw head. Not enough to destroy it. I recommend using a #1 phillips head on these. I also used a small rubber grip in order to get a better grip on my screwdriver. Made it much easier.
- Once screws are removed lift the plastic frame from the left side and remove it from the top of the power brick and flip it over.
- Unlike the X360 power brick, the light diffuser does not need to be removed from the power supply. If you want to remove it anyway simply grab it with your fingers and lift it out.
- ⓘ When I used a can of air duster to clean the inside, the smaller metal sheet (left side) immediately blew out. If this happens don't panic. There's tape on the bottom side. Simply put it back in with a little pressure to hold it down and you're good to go.
- These screws serve no purpose. There was nothing under there. Unless you have a different variation than mine there is no need to remove these screws.

Step 4 — Remove Fan From Frame



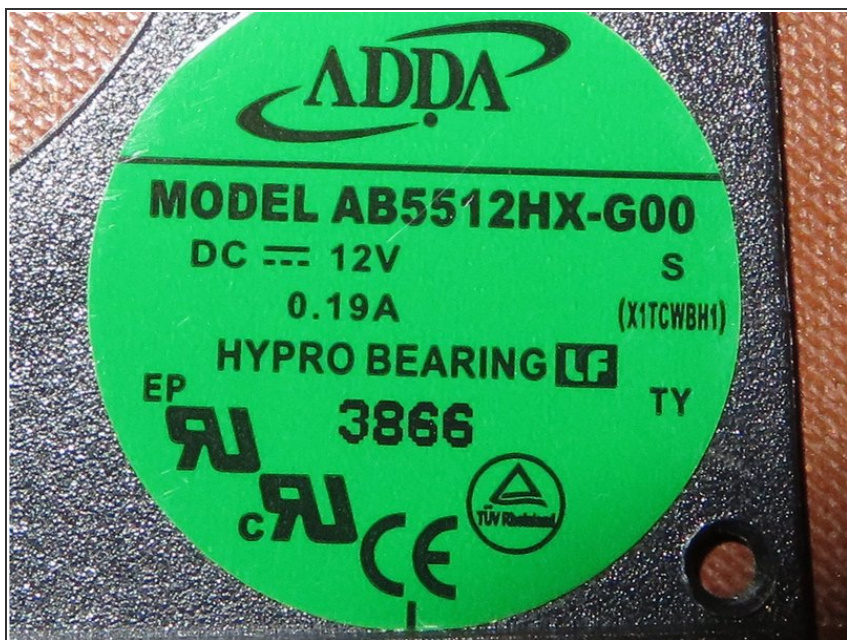
- Lift the fan from the side furthest away from the cable.
- Pull the cable through the hole in the frame and place the fan off to the side.

Step 5 — Disassemble Fan



- Remove the 4 screws using a #0 Philips head and remove the top of the fan housing.
- Gently grab the fan and lift it up.

Step 6 — Fan Sticker Info



- Here is the info for the fan label in case anyone needs it for reference.

Step 7 — Care To See What I Initially Found?



- Just under 3 years from the day it was purchased (Nov 22 2013) and now (Aug 12 2016) this is the amount of filth my power brick accumulated. I am only recently getting into electronics repairs which is why this didn't happen sooner.
- After 1 year your Xbox/PS warranty becomes null and void unless you purchase an extended warranty. Clean your consoles before dirt and dust destroy them!